

DEPARTMENT OF PATHOLOGY



R – L: Dr. S. Sharma, Dr. B. Sharma, Dr. P.D. Pradhan, Dr. C.T. Bhutia, Dr. C. D. Bhutia

Name	Qualification	Designation	Medical Council Registration & No.	Experience
Dr. Priya Darshini Pradhan	MBBS, MD Pathology	Associate Professor cum HOD I/C	SMC – 0097	20 years
Dr. Chumila Thinley Bhutia	MBBS, MD Pathology	Associate Professor	SMC – 1002	13 years
Dr. Chewang Doma Bhutia	MBBS, DCP	Assistant Professor	SMC – 0282	18 years
Dr. Nedup Dolma Bhutia	MBBS, DCP	Assistant Professor	SMC -0109	14 years
Dr. Smriti Sharma	MBBS, MD Transfusion Medicine	Assistant Professor	SMC - 01179	3 years
Dr. Chintamani Sharma	MBBS, DCP	Senior Resident	SMC – 0067	21 years

Dr. Bidhya Sharma	MBBS, MD Pathology	Senior Resident	SMC – 0960	3 years
Dr. Bunu Pakhimoo	MBBS	Tutor	SMC – 0544	
Dr. Yugal Raj Gurung	MBBS	Tutor	SMC – 02314	
Dr. Nandita Khatiwara	MBBS	Tutor	SMC - 2303	

OVERVIEW

The Department of Pathology affiliated with Helen Lepcha Sikkim Government Medical College has been established in 2026. The department, an integral part of Sir Thutob Namgyal Memorial Hospital (STNM), a Multispeciality hospital, plays a vital role in providing comprehensive and reliable diagnostic services to support patient care across a wide range of medical and surgical specialities.

AIM

- To serve as a bridge between the basic medical sciences and clinical practices by understanding the pathogenesis of diseases.
- To integrate diagnostic pathology for rational clinical decision making and management.

GOAL

1. To lay a strong foundation for MBBS students by implementing Competency Based Medical Education (CBME) aligned with National Medical Council Guidelines.
2. Establish pathway to clinical practice where students will learn the etiology, pathogenesis, structural alterations & functional consequences of diseases.
3. Inculcate professionalism and ethics in students. Develop practical skills, understand laboratory medicine, quality assurance and patient safety.

INFRASTRUCTURE IN MEDICAL COLLEGE

- Well equipped laboratory for practical classes.
- Demonstration room
- Museum
- Departmental library cum seminar room
- Research laboratory
- Lecture hall with audio visual equipment
- Faculty rooms and office.

DEPARTMENTAL SERVICES

- Hematology Laboratory includes coagulation study lab.
- Cytopathology laboratory including clinical pathology
- Histopathology laboratory
- Central blood bank.

MAJOR EQUIPMENTS

HEMATOLOGY LAB.

Equipments	Quantity
Fully automated 7-part hematology analyzer.	2 – STNMH
Fully automated 6-part hematology analyzer.	1 – STNMH
Fully automated 5-part hematology analyzer.	2 – STNMH
Semi automated Coagulometer	1 – STNMH
Fully automated ESR analyzer	1 – STNMH

HISTOPATHOLOGY LAB.

Automatic tissue processor	1 – STNMH
Fully automated rotary microtome	3 – STNMH
Manually operated rotary microtome	1 – STNMH

UG equipments for 100 MBBS students as per NMC guidelines in Department of Pathology, HLSGMC.

CENTRAL BLOOD BANK

The Blood Centre provides 24×7 services to support the hospital's Operating Rooms, Intensive Care Units (ICUs), General Surgery, and Emergency Rooms. It ensures the timely availability of safe and quality blood and blood components for patients requiring transfusion support.

The Blood Centre provides the following services and blood components:

Therapeutic phlebotomy
 Direct Antiglobulin Test (DAT)
 Indirect Antiglobulin Test (IAT/IDCT)
 Packed Red Blood Cells (PRBC)
 Fresh Frozen Plasma (FFP)
 Platelet concentrates
 Cryoprecipitate

The centre is committed to providing round-the-clock, safe, efficient, and quality blood transfusion services to meet the clinical needs of patients.

RESEARCH

Population Based Cancer Registry, Sikkim

The Population Based Cancer Registry (PBCR), Sikkim was established in June 2003 in the Department of Pathology, STNM Hospital, Gangtok. The primary function of the Registry is the active registration of all cancer cases occurring among the population of Sikkim, with the objective of generating reliable population-based cancer incidence and mortality data for the state.

Recognizing the importance of comprehensive cancer surveillance, the Government of Sikkim, Health Care, Human Services & Family Welfare Department, declared cancer a notifiable disease in the state in 2018, vide Letter No. 108/HC,HS&FW/2018 dated 17 December 2018. This notification has further strengthened the cancer registration system in Sikkim by facilitating systematic reporting of cancer cases from healthcare institutions throughout the state.

The PBCR, Sikkim therefore serves as an important source of population-based cancer information, supporting cancer surveillance, epidemiological research, health planning, resource allocation, monitoring of cancer trends and evaluation of cancer-control programmes in the state.

DEPARTMENTAL PHOTOGRAPHS



Equipments in UG
practical lab, level
3, Helen Lepcha
Sikkim Govt.
Medical College.



UG Practical lab. – Briefing area, level 3, HLSGMC



Museum, level 3, HLSGMC



Lecture hall, level 3, HLSGMC



Elite 580 Hematology Auto Analyzer, ERBA Vesmatic Cube 30 ESR Analyzer - Hematology Laboratory, level 2, STNMH



ERBA H7100 Hematology Auto Analyzer, Sysmex 1000 Hematology Auto Analyzer – Hematology Laboratory, level 2, STNMH.



ERBA ECL 412 Coagulometer, Hematology Laboratory, level 2, STNMH



LEICA TP 1020 Fully Automated Tissue Processor – Histopathology Laboratory, level 2, STNMH



LEICA RM 2255 Fully Automated Rotary Microtome - Histopathology Laboratory, level 2, STNMH



Blood Bank Refrigerator, Donor Couch – Central Blood Bank, level 1, STNMH



Component Storage, Plasma Freezer, Platelet Agitator and Blood Bank Refrigerator, Central Blood Bank, level 1, STNMH



Component Separation Room with Laminar Air Flow, Refrigerated Centrifuge for Component Separation, Central Blood Bank, level 1, STNMH



Population Based Cancer Registry, Department of Pathology, level 2, STNMH